

Claims

1. A crop lifter auger having a first end and a second end, the crop lifter auger being driven by a drive, the crop lifter auger is movably mounted on the first end and can be fixed into different positions at the second end; characterized in that the drive is arranged to drive on the first end of the crop lifter auger.
2. The crop lifter auger as defined by claim 1 wherein the first end of the crop lifter auger is the forward end as related to a forward direction of travel.
3. The crop lifter auger as defined by claim 2 wherein the crop lifter auger is pivotably mounted on its first end and is adjustably supported on its second end.
4. The crop lifter auger as defined by claim 3 wherein the crop lifter auger is pivotal around a horizontal pivot axis oriented transversely to the direction of forward travel.
5. The crop lifter auger as defined by claim 4 wherein the crop lifter auger is pivotably mounted on its first end so as to be pivotal around an approximately vertical axis.
6. The crop lifter auger as defined by claim 5 wherein the crop lifter auger is driven by a mechanical drive.
7. The crop lifter auger as defined by claim 5 wherein the crop lifter auger is driven by a hydraulic drive train.
8. The crop lifter auger as defined by claim 5 wherein the crop lifter auger is drivable by a gear drive having a drive shaft and a driven shaft, the driven shaft is connected to the crop lifter auger, and the drive shaft is oriented coaxially with the pivot axis of the crop lifter auger, the drive shaft having a rotational axis.
9. The crop lifter auger as defined by claim 8 wherein the housing of the gear drive is pivotal jointly with the crop lifter auger, around the rotational axis of the drive shaft.
10. The crop lifter auger as defined by claim 9 wherein the crop lifter auger is driven by a universal joint.
11. The crop lifter auger as defined by claim 9 wherein the first end of the crop lifter auger is supported by a ball joint.

12. A crop intake assembly having a frame supporting picking units, the crop intake assembly is provided with a crop lifter auger, the crop lifter auger having a first end and a second end, the crop lifter auger being driven by a drive, the crop lifter auger is movably mounted on the first end and can be fixed into different positions at the second end; characterized in that the drive is arranged to drive on the first end of the crop lifter auger.

13. The crop intake assembly as defined by claim 12 wherein a first side wall is disposed below the crop lifter auger, the first side wall is connected to the rear end of the crop lifter auger and the altitude of which side wall is adjustable; the first side wall is disposed adjacent to a second side wall of the crop intake assembly.

14. A crop intake assembly as defined by claim 13 wherein the second side wall has a slot for receiving the first side wall.

15. A crop intake assembly as defined by claim 14 wherein the first side wall has an upper region which is trough-shaped and which partially surrounds the underside of the crop lifter auger.